



NATURAL RESOURCE MANAGEMENT (NAREM)

- An Insight

**A COMPILED STUDY
GUIDE TO THE LAND ADMINISTRATION AND
DEVELOPMENTS' FINAL YEAR STUDENTS**

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1.0 INTRODUCTION

Natural resource management, conservation and restoration are applications of ecological principles by humans. Judgment of success is from the human perspective. The scale of application is variable within the "human scale" of activity – yet manifested and viewed from global down to small acreages and households, even to the microscopic. Regulations and laws may be assets, or impediments, depending on their adaptability to local and temporal conditions and subject to skillful implementation over time. Economics may produce strong forces that support or undermine success. The perspective of individuals or groups of individuals often conflict with the needed changes and management activities. Although conservation and restoration are science based activities, we know far less than we need to have a routine procedure to follow. Therefore, our management actions must address the processes of conservation and restoration on an appropriate scale and then be maintained for an extended time with appropriate mid-course corrections for our ecological objectives to be approached.

The single greatest difficulty for achieving desired results becomes that of unrecognized human ignorance acted upon with overconfidence. In practice, successful management of natural resources, conservation and restoration must coordinate complex time-dependent ecosystem processes with human dynamics. We need a clear understanding of our self and how we either facilitate or hinder the progress toward healthy ecosystem functions. Successful management implies continuous learning.

2.0 Careers in Natural Resource Management

Natural Resource Management (NAREM) involves the sustainable management of our natural resources, such as flora, fauna, soil, water and air. Reclamation of land and restoration of habitat is of fundamental importance to our future. Careers may be found in both the public and private sector in the areas of:

a. Catchment and Land Management

Managing the land surrounding dams and reservoirs to ensure a clean and safe supply of drinking water.